

WHAT IS CLAIMED IS:

1. A method for reducing emissions of common rail fuel system compression ignition engine by running said engine on a fuel comprising a diesel fuel characterized by having a density of about 0.83 g/cc or less and a viscosity of about 3 cSt or less at 40°C.
2. The method of claim 1 wherein the diesel fuel is characterized by having a density of about 0.825 g/cc or less.
3. The method of claim 1 wherein the diesel fuel is characterized by having a density of about 0.820 g/cc or less.
4. The method of claim 1 wherein the diesel fuel is characterized by having a viscosity of about 2.6 cSt or less at 40°C.
5. The method of claim 2 wherein the diesel fuel is characterized by having a viscosity of about 2.6 cSt or less at 40°C.
6. The method of claim 3 wherein the diesel fuel is characterized by having a viscosity of about 2.6 cSt or less at 40°C.
7. The method of claim 1 wherein the diesel fuel is characterized by having a viscosity of about 2.1 cSt or less at 40°C.
8. The method of claim 2 wherein the diesel fuel is characterized by having a viscosity of about 2.1 cSt or less at 40°C.

9. The method of claim 3 wherein the diesel fuel is characterized by having a viscosity of about 2.1 cSt or less at 40°C.

10. The method of claim 1, 2, 3, 4, 5, 6, 7, 8 or 9 wherein the diesel
5 fuel is characterized by having a sulfur content of about 0.05 wt% or less.

11. The method of claim 10 wherein the diesel fuel is characterized by having a sulfur content of about 0.04 wt% or less.

10 12. The method of claim 10 wherein the diesel fuel is characterized by having a sulfur content of about 0.03 wt% or less.